



## Material - AISI 410

### Standard Specification for Stainless and Heat Resisting Steels Bar, Wire, Shapes and Forging

Group - Ferrous Stainless Steel Alloys

Sub Group - AISI 410 Stainless and Heat Resisting Steels Bar, Wire, Shapes and Forging

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Bar, Wire, Shapes and Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.080 - 0.150	Annealing or Hardening + Tempering	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	11.500 - 13.500		
Iron	Fe %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa   415 - 1402.7 Yield Strength in Mpa   205 min. Elongation in %   11 min. Reduction of Area in %   35 min. Hardness in HB   143 - 331 Impact in Joule   -	
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-	-	-		
-	-	-		
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
5351	AMS	USA	Casting
410 C 21	BS	British	Casting
15ch13L	GOST	Russia	Casting
385 G X 12 Cr 13	SFS	Finland	Casting
A217 CA 15	ASTM	USA	Casting
A487 CA 15	ASTM	USA	Casting
A743 CA 15	ASTM	USA	Casting

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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